Title (en)

ENVELOPE TRACKING SUPPLY MODULATOR TOPOLOGY FOR WIDE-BANDWIDTH RADIO FREQUENCY TRANSMITTER

Title (de)

HÜLLKURVENVERFOLGUNGSBEREITSTELLUNGSMODULATORTOPOLOGIE FÜR HOCHFREQUENZSENDER MIT GROSSER BANDBREITE

Title (fr)

TOPOLOGIE DE MODULATEUR D'ALIMENTATION DE SUIVI D'ENVELOPPES POUR UN ÉMETTEUR RADIOFRÉQUENCE À GRANDE LARGEUR DE BANDE

Publication

EP 3562033 A1 20191030 (EN)

Application

EP 19170940 A 20190424

Priority

- US 201862662969 P 20180426
- US 201916379720 A 20190409

Abstract (en)

A package or a chip including a linear amplifier and a power amplifier is provided, wherein the linear amplifier is configured to receive an envelope tracking signal to generate an amplified envelope tracking signal, the power amplifier is supplied by an envelope tracking supply voltage comprising a DC supply voltage and the amplified envelope tracking signal, and the power amplifier is configured to receive an input signal to generate an output signal.

IPC 8 full level

H03F 1/02 (2006.01); **H03F 3/195** (2006.01); **H03F 3/24** (2006.01); **H03F 3/68** (2006.01)

CPC (source: CN EP US)

H03F 1/0211 (2013.01 - CN); **H03F 1/0222** (2013.01 - EP US); **H03F 1/025** (2013.01 - EP); **H03F 3/195** (2013.01 - EP); **H03F 3/211** (2013.01 - CN); **H03F 3/213** (2013.01 - CN); **H03F 3/245** (2013.01 - CN EP US); **H03F 3/68** (2013.01 - EP US); **H04B 1/04** (2013.01 - US); H03F 2200/102 (2013.01 - US); H03F 2200/451 (2013.01 - US); H03F 2200/48 (2013.01 - US); H03F 2200/511 (2013.01 - EP); H03F 2200/516 (2013.01 - EP); H04B 2001/0408 (2013.01 - US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3562033 A1 20191030; CN 110417367 A 20191105; CN 110417367 B 20240126; TW 201946375 A 20191201; TW I745683 B 20211111; US 11581854 B2 20230214; US 2019334479 A1 20191031; US 2023188095 A1 20230615

DOCDB simple family (application)

EP 19170940 A 20190424; CN 201910339588 A 20190425; TW 108114642 A 20190426; US 201916379720 A 20190409; US 202318096501 A 20230112